Lihong Fan

List of Publications by Citations

57 papers	1,584 citations	23 h-index	38 g-index
57 ext. papers	1,940 ext. citations	6.5 avg, IF	4.78 L-index

#	Paper	IF	Citations
57	Preparation and characterization of chitosan/gelatin/PVA hydrogel for wound dressings. *Carbohydrate Polymers*, **2016**, 146, 427-34	10.3	280
56	Synthesis and anticoagulant activity of sodium alginate sulfates. *Carbohydrate Polymers*, **2011**, 83, 1797-1803	10.3	82
55	Carboxymethyl cellulose modified graphene oxide as pH-sensitive drug delivery system. *International Journal of Biological Macromolecules*, **2018**, 107, 1184-1192	7.9	80
54	Preparation and characterization of quaternary ammonium chitosan hydrogel with significant antibacterial activity. *International Journal of Biological Macromolecules*, **2015**, 79, 830-6	7.9	79
53	Sodium alginate conjugated graphene oxide as a new carrier for drug delivery system. *International Journal of Biological Macromolecules*, **2016**, 93, 582-590	7.9	69
52	Synthesis, characterization and properties of carboxymethyl kappa carrageenan. *Carbohydrate Polymers*, **2011**, 86, 1167-1174	10.3	57
51	Preparation and characterization of oxidized konjac glucomannan/carboxymethyl chitosan/graphene oxide hydrogel. *International Journal of Biological Macromolecules*, **2016**, 91, 358-67	7.9	50
50	Role of Star-Like Hydroxylpropyl Lignin in Soy-Protein Plastics. *Macromolecular Materials and Engineering*, **2006**, 291, 524-530	3.9	48
49	Preparation and characterization of aminated hyaluronic acid/oxidized hydroxyethyl cellulose hydrogel. *Carbohydrate Polymers*, **2018**, 199, 170-177	10.3	42
48	Preparation and characterization of sodium alginate modified with collagen peptides. *Carbohydrate Polymers*, **2013**, 93, 380-5	10.3	42
47	Preparation and characterization of chitosan - collagen peptide / oxidized konjac glucomannan hydrogel. *International Journal of Biological Macromolecules*, **2018**, 108, 376-382	7.9	42
46	Preparation, characterization and antioxidant activity of silk peptides grafted carboxymethyl chitosan. *International Journal of Biological Macromolecules*, **2017**, 104, 732-738	7.9	41
45	Modification of carboxymethyl cellulose grafted with collagen peptide and its antioxidant activity. *Carbohydrate Polymers*, **2014**, 112, 32-8	10.3	37
44	Transglutaminase-catalyzed grafting collagen on chitosan and its characterization. *Carbohydrate Polymers*, **2014**, 105, 253-9	10.3	30
43	Preparation of carboxymethyl cellulose sulfates and its application as anticoagulant and wound dressing. *International Journal of Biological Macromolecules*, **2014**, 66, 245-53	7.9	30
42	Synthesis and anticoagulant activity of the quaternary ammonium chitosan sulfates. *International Journal of Biological Macromolecules*, **2012**, 50, 31-7	7.9	29
41	Preparation and anticoagulant activity of N-succinyl chitosan sulfates. *International Journal of Biological Macromolecules*, **2012**, 51, 808-14	7.9	29

40	Preparation and characterization of hydroxypropyl chitosan modified with collagen peptide. *International Journal of Biological Macromolecules*, **2016**, 93, 636-643	7.9	28
39	Antibacterial activity of chitosan grafting nisin: Preparation and characterization. *Reactive and Functional Polymers*, **2015**, 91-92, 71-76	4.6	27
38	Preparation and characterization of carboxymethyl chitosan sulfate/oxidized konjac glucomannan hydrogels. *International Journal of Biological Macromolecules*, **2018**, 113, 1024-1031	7.9	27
37	Preparation and characterization of carboxymethyl chitosan/collagen peptide/oxidized konjac composite hydrogel. *International Journal of Biological Macromolecules*, **2020**, 149, 31-40	7.9	25
36	Preparation and biological activity of quaternized carboxymethyl chitosan conjugated with collagen peptide. *International Journal of Biological Macromolecules*, **2014**, 70, 300-5	7.9	23
35	Effect of sonolysis on kinetics and physicochemical properties of treated chitosan. *Journal of Applied Polymer Science*, **2008**, 109, 2417-2425	2.9	23
34	Preparation, characterization and the effect of carboxymethylated chitosan–cellulose derivatives hydrogels on wound healing. *Journal of Applied Polymer Science*, **2013**, 128, 2789-2796	2.9	22
33	Carboxymethyl chitosan-kaolinite composite hydrogel for efficient copper ions trapping. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102953	6.8	22
32	Modification of chitosan grafted with collagen peptide by enzyme crosslinking. *Carbohydrate Polymers*, **2019**, 206, 468-475	10.3	21
31	Synthesis and anticoagulant activity of pectin sulfates. *Journal of Applied Polymer Science*, **2012**, 124, 2171-2178	2.9	19
30	Preparation and characterization of hydroxypropyl chitosan modified with nisin. *International Journal of Biological Macromolecules*, **2017**, 105, 1017-1024	7.9	19
29	Structure and properties of blend fibers prepared from alginate and konjac glucomannan. *Journal of Applied Polymer Science*, **2007**, 106, 3903-3907	2.9	18
28	The electrostimulation and scar inhibition effect of chitosan/oxidized hydroxyethyl cellulose/reduced graphene oxide/asiaticoside liposome based hydrogel on peripheral nerve regeneration in vitro. *Materials Science and Engineering C*, **2020**, 109, 110560	8.3	18
27	Preparation and properties of polyvinyl alcohol/N-succinyl chitosan/lincomycin composite antibacterial hydrogels for wound dressing. *Carbohydrate Polymers*, **2021**, 261, 117875	10.3	17
26	Enzymatic synthesis of N-succinyl chitosan-collagen peptide copolymer and its characterization. *Carbohydrate Polymers*, **2017**, 166, 45-54	10.3	16
25	Synthesis and in vitro evaluation of a hyaluronic acid-quantum dots-melphalan conjugate. *Carbohydrate Polymers*, **2015**, 121, 132-9	10.3	16
24	Preparation and characterization of alginate/Hydroxypropyl chitosan blend fibers. *Journal of Applied Polymer Science*, **2012**, 125, 829-835	2.9	16
23	Underwater Superoleophobic and Salt-Tolerant Sodium Alginate/N-Succinyl Chitosan Composite Aerogel for Highly Efficient Oil–Water Separation. *ACS Applied Polymer Materials*, **2020**, 2, 1124-1133	4.3	15

22	Preparation and characterization of carboxymethylated carrageenan modified with collagen peptides. *International Journal of Biological Macromolecules*, **2016**, 82, 790-7	7.9	14
21	Preparation and properties of carboxymethyl chitosan/oxidized hydroxyethyl cellulose hydrogel. *International Journal of Biological Macromolecules*, **2020**, 162, 1692-1698	7.9	14
20	Hydroxypropyl chitosan-based dual self-healing hydrogel for adsorption of chromium ions. *International Journal of Biological Macromolecules*, **2021**, 174, 89-100	7.9	14
19	Oxidized pectin cross-linked carboxymethyl chitosan: a new class of hydrogels. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 2119-32	3.5	13
18	Preparation and characterization of C-phycocyanin peptide grafted N-succinyl chitosan by enzyme method. *International Journal of Biological Macromolecules*, **2018**, 113, 841-848	7.9	11
17	Preparation and properties of carboxymethyl κ-carrageenan/alginate blend fibers. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 1099-111	3.5	10
16	Enzymatic synthesis of quaternary ammonium chitosan-silk fibroin peptide copolymer and its characterization. *International Journal of Biological Macromolecules*, **2018**, 109, 1125-1131	7.9	10
15	Preparation and characterization of aminoethyl hydroxypropyl methyl cellulose modified with nisin. *International Journal of Biological Macromolecules*, **2016**, 89, 62-9	7.9	8
14	Preparation and Properties of Chitosan/Konjac Glucomannan Blend Fibers. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2007**, 44, 439-443	2.2	8
13	Synthesis, characterization, and anticoagulant activity of carboxymethyl starch sulfates. *Journal of Applied Polymer Science*, **2013**, 127, 4865-4872	2.9	7
12	Synthesis and in vitro antimicrobial and antioxidant activities of quaternary ammonium chitosan modified with nisin. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 2034-2052	3.5	7
11	Simultaneous enhancement of the strength and elongation of polycaprolactone: The role of chitosan-graft-polycaprolactone. *Journal of Applied Polymer Science*, **2009**, 112, 692-699	2.9	5
10	α-hemihydrate calcium sulfate/octacalcium phosphate combined with sodium hyaluronate promotes bone marrow-derived mesenchymal stem cell osteogenesis in vitro and in vivo. *Drug Design, Development and Therapy*, **2018**, 12, 3269-3287	4.4	5
9	Preparation and characterization of aminoethyl hydroxypropyl starch modified with collagen peptide. *International Journal of Biological Macromolecules*, **2017**, 101, 996-1003	7.9	4
8	The novel alginate/N-succinyl-chitosan antibacterial blend fibers. *Journal of Applied Polymer Science* , **2010**, 116, NA-NA	2.9	3
7	Physically Cross-linked Hydrogels with Excellent Self-healing, Moldability, Antibacterial Activities and Adjustable Mechanical Properties. *Journal Wuhan University of Technology, Materials Science Edition*, **2019**, 34, 1484-1494	1	3
6	Sulfation of Hydroxyethyl Cellulose by N(SO3Na)3 and the Anticoagulant Activity of Sulfated Hydroxyethyl Cellulose. *Journal of Carbohydrate Chemistry*, **2014**, 33, 171-184	1.7	2
5	Structural characterization and antimicrobial activity of chitosan (CS-40)/nisin complexes. *Journal of Applied Polymer Science*, **2010**, 116, NA-NA	2.9	2

4	A new antibacterial nano-system based on hematoporphyrin-carboxymethyl chitosan conjugate for enhanced photostability and photodynamic activity. *Carbohydrate Polymers*, **2021**, 269, 118242	10.3	2
3	Hydrogel-based microneedles of chitosan derivatives for drug delivery. *Reactive and Functional Polymers*, **2022**, 172, 105200	4.6	1
2	UV/enzyme dual responsive photosensitizer-loaded 4-(Phenylazo)benzoic Acid-mPEG nanosystem for enhanced photodynamic insecticide efficacy. *Journal of Applied Polymer Science*, **2021**, 138, 50731	2.9	1
1	Preparation and properties of O-chitosan quaternary ammonium salt/polyvinyl alcohol/graphene oxide dual self-healing hydrogel.. *Carbohydrate Polymers*, **2022**, 287, 119318	10.3	1